

FIG. 3

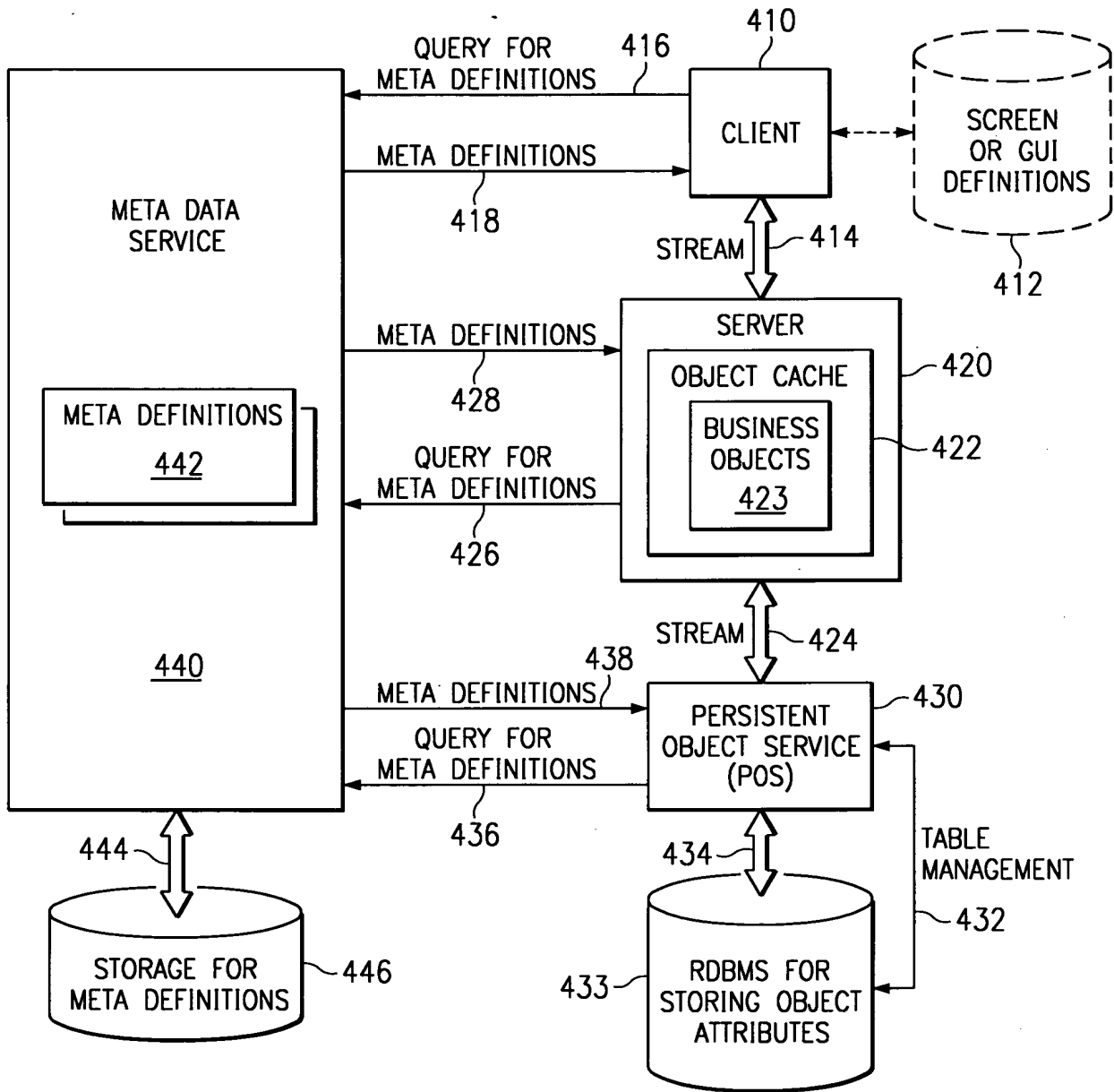


FIG. 4

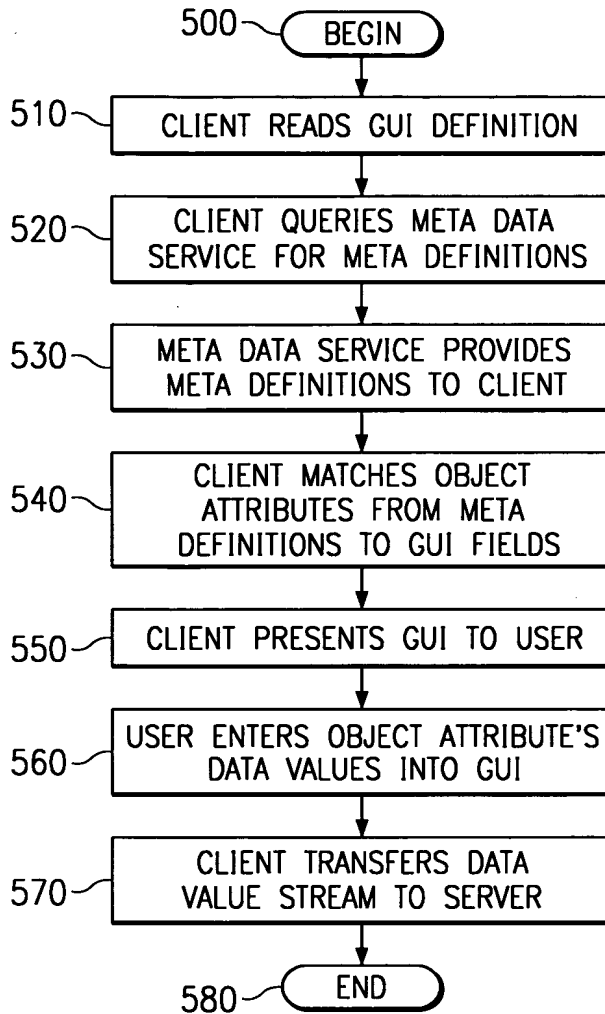


FIG. 5

FIG. 6

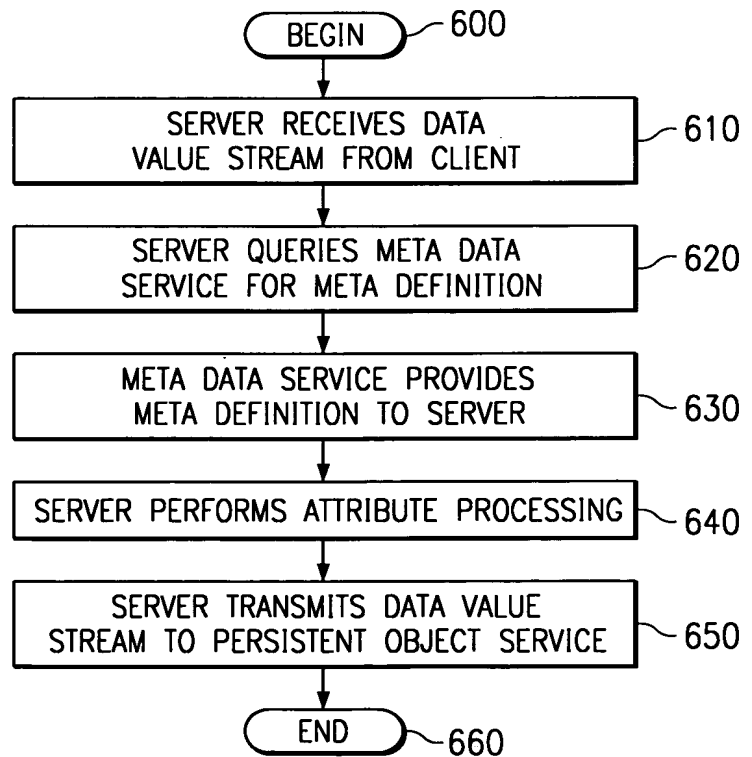
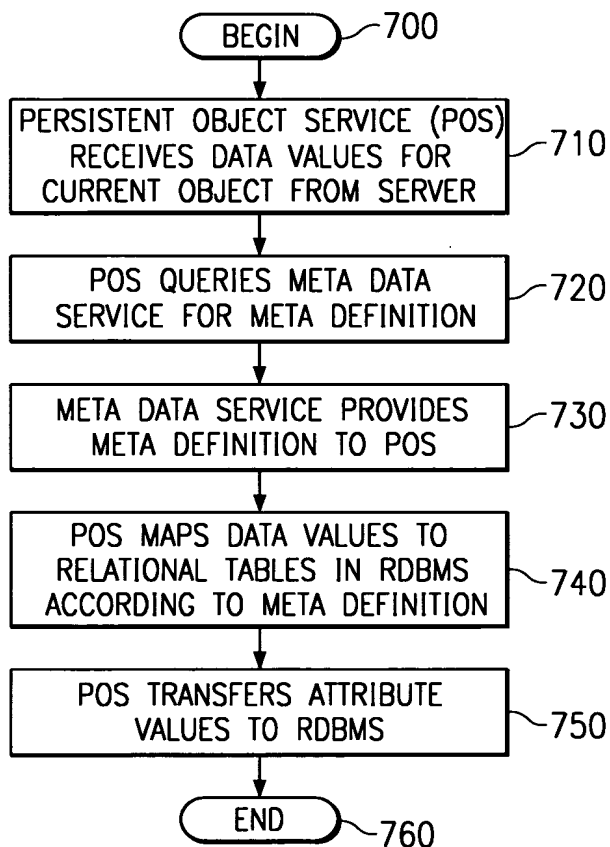


FIG. 7



800

Customer Dialog

Customer Account Address Products Services

811 Name 801

812 Street 802

813 City 803

814 State 804

815 Zip 805

OK

Cancel

FIG. 8



900

FIG. 9

Customer Dialog

Customer

Account

Address

Products

Services

911

Name

901

912

Street

902

913

City

903

914

State

904

915

Zip

905

916

Country

906

OK

Cancel

Meta definition

|                           |             |
|---------------------------|-------------|
| Name:                     | Address     |
| ID:                       | 1           |
| # of base attributes:     | 6           |
| # of extended attributes: | 0           |
| Attribute list            |             |
| 1                         | Customer ID |
| 2                         | Name        |
| 3                         | Street      |
| 4                         | City        |
| 5                         | State       |
| 6                         | Zip         |

FIG. 10A

Data stream for object

1  
1  
John Doe  
101 Main Street  
Anytown  
IN  
99999

FIG. 10B

Meta definition

|                           |             |
|---------------------------|-------------|
| Name:                     | Address     |
| ID:                       | 1           |
| # of base attributes:     | 6           |
| # of extended attributes: | 1           |
| Attribute list            |             |
| 1                         | Customer ID |
| 2                         | Name        |
| 3                         | Street      |
| 4                         | City        |
| 5                         | State       |
| 6                         | Zip         |
| 7                         | Country     |

FIG. 10C